

Attorney Docket No.: 6133.214-US

IN THE CLAIMS:

Please cancel pending claims 1-21 and insert the following new claims:

1-21 (Canceled)

22. (Original) A method for assisting a patient in self-treating diabetes, the method comprising the

steps of:

obtaining a value for a blood glucose level from a patient with a blood glucose monitor; analyzing the blood glucose value with a processor that is configured to model human metabolism, and

based on the analysis, proposing alternative choices for treating the patient

based on the blood glucose level; wherein the processor contains a means for proposing the choices automatically and wherein each choice presented will result in adequate blood glucose levels.

23. (Currently Amended) The method of claim 221, wherein the value of the blood glucose level is automatically, without user intervention, transmitted to the processor.

24. (Currently Amended) The method of claim 232, wherein the blood glucose monitor is a continuous blood glucose monitor.

25. (Original) A method for assisting a patient in self-treating diabetes, the method

comprising the

steps of:

obtaining a value for a blood glucose level from a patient with a blood glucose monitor; automatically transmitting the blood glucose value to a processor that is configured to model human metabolism ,

analyzing the blood glucose value with the processor, and

based on the analysis, proposing alternative choices for treating the patient

based on the blood glucose level; wherein the processor contains a means for proposing the choices automatically and wherein each choice presented will result in adequate blood glucose levels.

26. (Currently Amended) The method of claim 25-4 wherein at least one choice is to administer a dose of insulin.

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27. (Currently Amended) The method of claim 265, wherein dosing information is automatically transmitted to an insulin delivery device.

28. (Currently Amended) A method for assisting a patient in self-treating diabetes, the method comprising the steps of:

obtaining a value for a blood glucose level for a patient;
receiving other data relating to the patient's condition;
modelling the patient's metabolism.

predicting, based on the other data and the blood glucose level, a future blood glucose level;

~~sending~~ determining whether it is possible to propose a self-treatment that will result in a blood glucose level within either a proposed self-treatment to the patient that will result in a blood glucose level within a predetermined target range,

if it is possible to propose a self-treatment that will result in a blood glucose level being within a predetermined range, proposing at least one such self-treatment, wherein the proposed treatment was automatically generated based on the modelling of the patient's metabolism or in the alternative, and if it is determined that no self-treatment will bring blood glucose levels to an acceptable range, sending a warning to the patient, wherein the warning warns the patient that when it is not possible to propose a self-treatment that will result in an acceptable blood glucose level within the predetermined target range.

29. (Currently Amended) The method of claim 287, further comprising sending a warning to a medical care professional authorized by the patient to receive patient data.

30-33 (cancelled).

34. (Original) An apparatus for assisting a patient in self-treating diabetes, the apparatus comprising:

a means for obtaining a value for a blood glucose level from a patient;

a means for analyzing the blood glucose value with a processor that is configured to model human metabolism, and

a means for, based on the analysis, proposing alternative choices for treating the patient

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based on the blood glucose level; wherein the processor contains a means for proposing the choices automatically and wherein each choice presented will result in adequate blood glucose levels.

35. (Original) The apparatus of claim 34, wherein the blood glucose level is automatically transmitted, without user intervention, to the processor.

36. (Currently Amended) The apparatus of claim 35, wherein the means for obtaining blood glucose levels comprises a continuous blood glucose monitor.

37. (Original) An apparatus for assisting a patient in self-treating diabetes, the apparatus comprising:
a means for obtaining a value for a blood glucose level from a patient with a blood glucose monitor;
a means for automatically transmitting the blood glucose value to a processor;
a means for analyzing the blood glucose value with the processor, and
a means for, based on the analysis, proposing alternative choices for treating the patient based on the blood glucose level; wherein the processor contains a means for proposing the choices automatically and wherein each choice presented will result in adequate blood glucose levels.

38. (Currently Amended) The apparatus of claim 37, wherein the apparatus is configured such that at least one choice is to administer a dose of insulin.

39. (Currently Amended) The apparatus of claim 38, further comprising a means for automatically transmitting the dosing information to an insulin delivery device.

40—48 (Cancelled)